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SQUIRE, SANDERS & DEMPSEY L.L.P			NGUYEN, THANH T	
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Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/996,308

Applicant(s)

ISHIZAKI, TAKESHI

Examiner

Tammy T. Nguyen

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 11 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 November 2001 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_



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**Detailed Office Action**

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on January 11, 2006 has been entered.
2. Claims 1-22 are presented for examination.

***Claim Rejections - 35 USC § 101***

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

4. Claims 15-17 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.
5. Claims 15-17 are not limited to tangible embodiments. The claim recited "Computer program product comprising..." is just limited to a functional descriptive materials consists of computer program per se, instead of being defined as including tangible

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embodiments “i.e., a computer readable storage medium such as memory device, storage medium, etc.,). As such, the claim is not limited to statutory subject matter and is therefore nonstatutory.

6. To overcome this type of 101 rejection, examiner suggests applicants to amend the claim to include computer readable storage medium to store computer codes (for example, the claim should be amended as “ A computer program product comprising computer program code means embodied in a computer readable storage medium, when executed by computer, to perform all method steps of claim...” see MPEP 2106 section V. DETERMINE WHETHER THE CLAIMED INVENTION COMPLIES WITH 35 U.S.C. 101 under subsection 1. Nonstatutory subject matter.

### *Claim Rejections - 35 USC § 103*

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 1-20, and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Raab et al., (hereinafter Raab) U.S. Patent No. 5,751,967 in view of Kurt G. Schumacher., (hereinafter Schumacher) U.S. Patent No. 6,735,765.

9. As to claim 1, Raab discloses the invention substantially as claimed. Raab teaches a storage apparatus, comprising: a processor (Fig.2, 202); a memory (Fig.2, 204); at least one storage device accessible over a network by at least one network entity (Fig.2, 207) (see col.6, lines 26-58); a network interface connectable to a virtual local area network (VLAN) switch (fig.4) (see col.1, lines 15-45, and col.5, lines 60-67); wherein the processor is at least intermittently coupled to the memory, the storage controller and the network interface (fig.2); wherein the memory comprises configuration information including a correspondence between at least one segment of a virtual local area network (VLAN) connectable by the network interface and at least one of a plurality of storage devices (see col.4, lines 20-60, and col.5, line 60 to col.6, line 48); and wherein the processor, the memory, the storage controller and the network interface are operable to control the virtual local area network (VLAN) switch to map the at least one segment, and based upon the configuration information (see col.5, line 20 to col.6, line 48, col.8, lines 53-67, col.15, line 58 to col.17, line 10). However, Raab does not explicitly teach a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume and wherein at least one of the processor or the network interface control access to the at least one virtual volume based upon the configuration information.
10. In the same field of endeavor, Schumacher discloses (e.g., Sharing data between operating systems). Schumacher discloses a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume and wherein at least one of the processor or the network interface control access to the at least one

virtual volume based upon the configuration information (Schumacher teaches a storage controller comprise a first virtual volume and a second virtual volume.... wherein the first data processing system configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]

11. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time invention was made to have incorporated Schumacher's teaching of a sharing data between operating system with the teaching of Raab, to have a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume and wherein at least one of the processor or the network interface control access to the at least one virtual volume based upon the configuration information because it would have provided specific functions for extracting database information from one location in memory and placing the extracted information thereby enable data sharing.
12. As to claim 2, Raab teaches the invention as claimed, further comprising an out of band management interface connectable to a second network (Fig.4).
13. As to claim 3, Raab teaches the invention as claimed, wherein the network interface connectable to a virtual local area network (VLAN) switch comprises an interface to a VLAN trunk line (see col.16, line 65 to col.17, line 10).

14. As to claim 4, Raab teaches the invention as claimed, wherein information carried by the VLAN trunk line is identified using an embedded tag (see col.17, lines 1-17).
15. As to claim 5, Raab teaches the invention as claimed, wherein the network interface connectable to a virtual local area network (VLAN) switch comprises an interface to a VLAN switch, the VLAN switch connectable to at least one host computer via at least one VLAN access link (Fig.4, plurality access links).
16. As to claim 6, Raab teaches the invention as claimed, wherein information carried by the at least one VLAN access links comprises untagged frames (see col.5, lines 1-19, and col.6, line 59 to col.7, line 20).
17. As to claim 7, Raab teaches the invention as claimed, wherein information carried by the at least one VLAN access link is identified using a VLAN Identifier of a receiving port (see col.6, lines 1-25, and col.12, lines 15-32).
18. As to claim 8, Raab teaches the invention as claimed, wherein information carried by the at least one VLAN access link is identified using a Media Access Control (MAC) address (see col.2, lines 55-65, and col.6, lines 10-27).

19. As to claim 9, Raab teaches the invention as claimed, wherein an untagged frame comprises: a preamble field; a source MAC field; a destination MAC field; a type field; a data field; and a CRC field (see col.2, lines 55-65, and col.6, lines 10-27).
20. As to claim 10, Raab discloses the invention substantially as claimed. Raab teaches a method, comprising: separating logically a storage device accessible over the local area network by at least one network entity (see fig.2, 207 and col.6, lines 26-58) managing a configuration comprising a mapping (see col.6, lines 48, and col.8, lines 51-67); and routing information upon the configuration (see col.4, line 61 to col.5, line 19), Wherein the managing, routing and preventing is performed by the storage device (see col.10, lines 1-29). However, Raab does not explicitly teach a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume (e.g., Sharing data between operating systems). Schumacher discloses a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume (Schumacher teaches a storage controller comprise a first virtual volume and a second virtual volume.... wherein the first data processing system configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]
21. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time invention was made to have incorporated Schumacher's teaching of a sharing data between operating system with the teaching of Raab, to have a storage controller, coupled with the at least one storage device, and at least one of a plurality



of virtual volume because it would have provided specific functions for extracting database information from one location in memory and placing the extracted information thereby enable data sharing.

22. As to claim 11, Raab teaches the invention as claimed, further comprising at least one of: configuring network parameters; configuring a new file system; configuring a designated file system; and deleting a designated file system (see col.6, lines 45-59, and col.7, lines 51-67).
23. As to claim 12, Raab teaches the invention as claimed, further comprising at least one of: updating a management interface IP address; updating a physical network interface IP address; updating a VLAN interface IP address and a VLAN tag; deleting a designated VLAN interface; and adding a new VLAN interface (see col.2, line 55 to col.3, line 5).
24. As to claim 13, Raab teaches the invention as claimed, further comprising at least one of: adding a VLAN to a file system; removing a VLAN from the file system; adding a volume to the file system; and removing a volume from the file system (see col.6, lines 45-59, and col.7, lines 51-67).
25. As to claim 14, Raab does not explicitly teach authenticating user authority (see col.2, line 25 to col.3, line 5).

26. As to claim 15, Raab discloses the invention substantially as claimed. Raab teaches a computer program product, comprising: code for sending and receiving tagged frames to and from a network interface (see col.5, lines 1-19, and col.6, line 59 to col.7, line 20); code for managing a file system accessible over a network by at least one network entity (see fig.2, 207 and col.6, lines 26-58, col.7, lines 1-59 and col.8, lines 20-50), code for managing a configuration comprising a mapping of the virtual volume to a virtual local area network [see col.5, line 60 to col.6, line 10 and col.11, line 59 to col.12, line 60]; and code for routing information, and a computer readable storage medium for holding the codes, wherein the managing of the configuration, routing and preventing are performed by a storage device hosting the file system (see col.3, line 56 to col.4, line 38, and col.4, line 61 to col.5, line 20). However, Raab does not explicitly teach a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume and wherein at least one of the processor or the network interface control access to the at least one virtual volume based upon the configuration information.
27. In the same field of endeavor, Schumacher discloses (e.g., Sharing data between operating systems). Schumacher discloses a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume and wherein at least one of the processor or the network interface control access to the at least one virtual volume based upon the configuration information (Schumacher teaches a storage controller comprise a first virtual volume and a second virtual volume....

wherein the first data processing system configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]

28. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time invention was made to have incorporated Schumacher's teaching of a sharing data between operating system with the teaching of Raab, to have a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume and wherein at least one of the processor or the network interface control access to the at least one virtual volume based upon the configuration information because it would have provided specific functions for extracting database information from one location in memory and placing the extracted information thereby enable data sharing.
29. As to claim 16, Raab discloses the invention substantially as claimed. Raab teaches further comprising at least one of: code for receiving configuration information for the file system; code for receiving configuration information for the virtual local area network (see col.3, line 56 to col.4, line 38). But Raab does not explicitly teach receiving configuration information for the virtual volume. However, Raab does not explicitly teach a receiving configuration information for the virtual volume
30. In the same field of endeavor, Schumacher discloses (e.g., Sharing data between operating systems). Schumacher discloses receiving configuration information for the virtual volume (Schumacher teaches a storage controller comprise a first virtual volume and a second virtual volume.... wherein the first data processing system

- configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]
31. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time invention was made to have incorporated Schumacher's teaching of a sharing data between operating system with the teaching of Raab, to have receiving configuration information for the virtual volume because it would have provided specific functions for extracting database information from one location in memory and placing the extracted information thereby enable data sharing.
32. As to claim 17, Raab teaches the invention as claimed, further comprising at least one of: code for updating configuration information for the file system; code for updating configuration information for the virtual volume; and code for updating configuration information for the virtual local area network (see col.7, lines 1-35, and col.8, lines 20-50).
33. As to claim 18, Raab discloses the invention substantially as claimed, Raab teaches a network storage apparatus, comprising: a means for processing information (Fig.2, 202); a means for connecting to a virtual local area network (VLAN) switch (Fig.4, Vlan devices 410) (see col.1, lines 15-45, and col.5, lines 60-67); wherein the means for processing and the means for connecting to a virtual local area network (VLAN) switch are connectable to a storage device accessible over a network by at least one network entity (see fig.2, 207, and col.6, lines 26-48) having at least one virtual

volume mapped one segment of a virtual local area network (VLAN) based upon configuration information managed by the processing means, (see col.5, line 44 to col.6, lines 58, col.7, line 10 to col.8, line 67). However, Raab does not explicitly teach a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume

34. In the same field of endeavor, Schumacher discloses (e.g., Sharing data between operating systems). Schumacher discloses a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume (Schumacher teaches a storage controller comprise a first virtual volume and a second virtual volume.... wherein the first data processing system configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]
35. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time invention was made to have incorporated Schumacher's teaching of a sharing data between operating system with the teaching of Raab, to have a storage controller, coupled with the at least one storage device, and at least one of a plurality of virtual volume because it would have provided specific functions for extracting database information from one location in memory and placing the extracted information thereby enable data sharing.
36. As to claim 19, Raab disclose the invention substantially as claimed, Raab teaches a storage apparatus, comprising: a means for processing information (Fig.2, 202); a

means for storing data accessible over a network by at least one network entity (Fig.2, 207) (see col.6, lines 26-58); a means for connecting to a virtual local area network (VLAN) switch (Fig.4 Vlan device 410) (see col.1, lines 15-45, and col.5, lines 60-67); wherein the means for processing, the means for connecting to a virtual local area network (VLAN) switch map one segment of a virtual local area network (VLAN) for storage data based upon configuration information (see col.5, line 20 to col.6, line 48, col.8, lines 53-67, col.15, line 58 to col.17, line 10). However, Raab does not explicitly teach a storage controller, coupled with the at least one of a plurality of storage devices, and at least one virtual volume, preventing communication between another segment of another VLAN and the at least one virtual volume

37. In the same field of endeavor, Schumacher discloses (e.g., Sharing data between operating systems). Schumacher discloses a storage controller, coupled with the at least one of a plurality of storage devices, and at least one virtual volume, preventing communication between another segment of another VLAN and the at least one virtual volume (Schumacher teaches a storage controller comprise a first virtual volume and a second virtual volume.... wherein the first data processing system configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]
38. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time invention was made to have incorporated Schumacher's teaching of a sharing data between operating system wit the teaching of Raab, to have a storage

controller, coupled with the at least one of a plurality of storage devices, and at least one virtual volume, preventing communication between another segment of another VLAN and the at least one virtual volume because it would have provided specific functions for extracting database information from one location in memory and placing the extracted information thereby enable data sharing.

39. As to claim 20, Raab discloses the invention substantially as claimed, Raab teaches the system, comprising: a storage device such that the storage device is accessible over a network by at least one network entity (Fig.2, 207) (see col.6, lines 26-58); a virtual local area network (VLAN) switch, coupled to the storage device (Fig.4, Vlan devices 410) (see col.1, lines 15-45, and col.5, lines 60-67); and at least one segment coupled to the virtual local area network (VLAN) switch via at least one virtual local area network (Fig.4 VLAN devices); wherein the storage device is operable map the at least one segment of the at least one virtual local area network, and at least one virtual volume or the storage device based upon configuration information (see col.5, line 20 to col.6, line 48, col.8, lines 53-67, col.15, line 58 to col.17, line 10).

However, Raab does not explicitly teach plurality of volumes, prevent another segment of another VLAN from communicating with the at least one virtual volume of the storage device. In the same field of endeavor, Schumacher discloses (e.g., Sharing data between operating systems). Schumacher discloses plurality of volumes, prevent another segment of another VLAN from communicating with the at least one virtual volume of the storage device (Schumacher teaches a storage

controller comprise a first virtual volume and a second virtual volume.... wherein the first data processing system configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]

40. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time invention was made to have incorporated Schumacher's teaching of a sharing data between operating system with the teaching of Raab, to have plurality of volumes, prevent another segment of another VLAN from communicating with the at least one virtual volume of the storage device because it would have provided specific functions for extracting database information from one location in memory and placing the extracted information thereby enable data sharing.
41. As to claim 21, Raab discloses the invention substantially as claimed, Raab teaches the method of controlling accesses from servers to a network storage subsystem, wherein the network storage subsystem is connected to a virtual local area network (VLAN) switch via a VLAN switch and receives access requests from the servers via the VLAN switch, the method comprising the steps of: allocating a dedicated storage resource accessible over a network by at least one network entity (see fig.2, 207) to each VLAN segment (see col.15, line 45 to col.16, line 65), receiving a Internet Protocol (IP) packet based access from a server (see col.17, lines 10-32, and col.19, lines 10-15), determining a VLAN segment that the server belongs to, based on a VLAN identification in the IP packet (See col. 15, line 45 to col.16, line 65, col.17, lines 10-32, and col.19, lines 10-15), and permitting the server to access the dedicated



storage resource allocated to the VLAN segment that the server belongs to, and preventing another server that does not belong to the VLAN segment from accessing the dedicated storage resource based on configuration information managed by the network storage subsystem, wherein the determining, permitting and preventing are performed by the network storage subsystem (see col.15, line 45 to col.16, line 65).

However, Raab does not explicitly teach plurality of volumes, prevent another segment of another VLAN from communicating with the at least one virtual volume of the storage device

42. In the same field of endeavor, Schumacher discloses (e.g., Sharing data between operating systems). Schumacher discloses plurality of volumes, prevent another segment of another VLAN from communicating with the at least one virtual volume of the storage device (Schumacher teaches a storage controller comprise a first virtual volume and a second virtual volume.... wherein the first data processing system configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]
43. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time invention was made to have incorporated Schumacher's teaching of a sharing data between operating system with the teaching of Raab, to have plurality of volumes, prevent another segment of another VLAN from communicating with the at least one virtual volume of the storage device because it would have provided specific functions for extracting database information from one location in memory and placing the extracted information thereby enable data sharing.

44. As to claim 22, Raab discloses the invention substantially as claimed, Raab teaches the method, comprising: separating a virtual LAN into a plurality of segments (see col.15, line 45 to col.16, line 65); managing a mapping of each one of the plurality of segments to a storage device accessible over a network by at least one network entity (see fig.2, 207 and col.6, lines 10-48 and col.8, lines 52-67); assigning to each one of the plurality of segments, and controlling access to a virtual volume such that the virtual volume will communicate only with a segment to which it is assigned; wherein the managing and controlling is performed by the storage device (see col.15, line 45 to col.16, line 65). However, Raab does not explicitly teach plurality of volumes
45. In the same field of endeavor, Schumacher discloses (e.g., Sharing data between operating systems). Schumacher discloses plurality of volumes (Schumacher teaches a storage controller comprise a first virtual volume and a second virtual volume.... wherein the first data processing system configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]
46. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time invention was made to have incorporated Schumacher's teaching of a sharing data between operating system with the teaching of Raab, to have plurality of volumes because it would have provided specific functions for extracting database information from one location in memory and placing the extracted information thereby enable data sharing.

### *Response to Arguments*

47. Applicant's arguments with respect to claims 1-22 have been considered but are moot in view of the new ground(s) of rejection. Applicant's arguments include the failure of previously applied art to expressly disclose a virtual volume and wherein at least one of the processor or the network interface control access to the at least one virtual volume based upon the configuration information.(see Applicant's response, Dated January 11, 2006, Page 14, 3rd paragraph). It is evident from the detailed mappings found in the above rejection(s) that Raab and Schumacher disclosed this functionality (see Schumacher teaches a storage controller comprise a first virtual volume and a second virtual volume.... wherein the first data processing system configure the storage controller such that the storage controller), [see col.5, line 30 to col.6, line 67 and col.9, lines 15-28]. Further, it is clear from the numerous teachings (previously and currently cited) was widely implemented in the networking art. Thus, Applicant's arguments drawn toward distinction of the claimed invention and the prior art teachings on this point are not considered persuasive.

### *Conclusion*

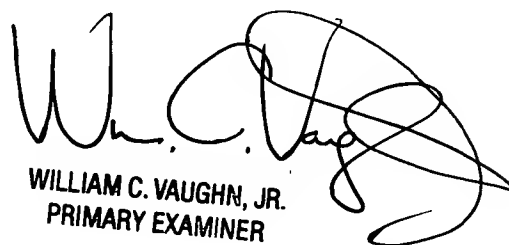
48. Any inquiries concerning this communication or earlier communications from

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the examiner should be directed to **Tammy T. Nguyen** who may be reached via telephone at **(571) 272-3929**. The examiner can normally be reached Monday through Friday between 8:00 a.m. and 5:00 p.m. eastern standard time.

If you need to send the Examiner, a facsimile transmission regarding this instant application, please send it to **(703) 872-9306**. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's Supervisor, **VAUGHN JR WILLIAM**, may be reached at **(571) 272-3922**.

*TTN*  
March 28, 2006

  
WILLIAM C. VAUGHN, JR.  
PRIMARY EXAMINER